

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| S1    | 159  | (@ad   @pt1d   @frpd<br>  @read   @rlad  <br>  @ptad) < "20040421"<br>and 455/114.1-126.<br>cdls. and filter\$4.clm.<br>and (center\$3 or centr<br>\$4) near9 filter  | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/07/16<br>12:36 |
| S2    | 43   | S1 and compar\$5<br>near9 (dc or reference<br>or threshold)   | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/07/16<br>12:37 |
| S3    | 78   | (@ad   @pt1d   @frpd<br>  @read   @rlad  <br>  @ptad) < "20040421"<br>and 455/296-312.ccls.<br>and filter\$4.clm. and<br>(center\$3 or centr\$4)<br>near9 filter and compar<br>\$5 near9 (dc or<br>reference)                 | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/07/16<br>12:45 |
| S4    | 66   | (@ad   @pt1d   @frpd<br>  @read   @rlad  <br>  @ptad) < "20040421"<br>and 455/296-312.ccls.<br>and filter\$4.clm. and<br>(center\$3 or centr\$4)<br>near9 filter and compar<br>\$5 near9 (threshold)                          | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/07/16<br>12:48 |
| S5    | 32   | S4 not S3   | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/07/16<br>12:49 |
| S6    | 38   | (@ad   @pt1d   @frpd<br>  @read   @rlad  <br>  @ptad) < "20040421"<br>and 455/232.1-254.<br>cdls. and filter\$4.clm.<br>and (center\$3 or centr<br>\$4) near9 filter and<br>compar\$5 near9 (dc or<br>reference or threshold) | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/07/16<br>13:08 |

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| S7  | 121 | (@ad   @pt1d   @frpd<br>  @read   @rlad  <br>@ptad) < "20040421"<br>and "333".clas. and<br>filter\$4.clm. and<br>(center\$3 or centr\$4)<br>near9 filter and compar<br>\$5 near9 (dc or<br>reference or threshold)   | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/16<br>13:09 |
| S8  | 4   | (@ad   @pt1d   @frpd<br>  @read   @rlad  <br>@ptad) < "20040421"<br>and 455/232,1-254.<br>cls. and filter\$4.clm.<br>and (center\$3 or centr<br>\$4) near9 filter and<br>(error or difference or<br>compar\$5) near9 (dc<br>or reference or<br>threshold) not S6 | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/16<br>13:10 |
| S9  | 56  | (@ad   @pt1d   @frpd<br>  @read   @rlad  <br>@ptad) < "20040421"<br>and "333".clas. and<br>filter\$4.clm. and<br>(center\$3 or centr\$4)<br>near9 filter and (error<br>or difference or compar<br>\$5) near9 (dc or<br>reference or threshold)<br>not S7         | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/16<br>13:11 |
| S10 | 13  | ("20040246056"  <br>"4127819"  <br>"4395779"  <br>"4539566"  <br>"5179727"  <br>"5369793"  <br>"5438304"  <br>"5499396"  <br>"6058148"  <br>"6122496"  <br>"6178314"  <br>"6307443"  <br>"6983136").PN. OR<br>(("7400868").URPN.                                 | US_PGPUB;<br>USPAT; USOOR                                     | OR | ON | 2008/07/16<br>15:05 |
| S11 | 2   | "7184729".pn.  | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>10:37 |

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| S12 | 2    | "6307443".pn.  | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>13:07 |
| S13 | 2    | "5081713".pn.  | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>14:24 |
| S14 | 8746 | (@ad   @pt1d   @frpd<br>   @read   @rlad  <br>   @ptad) < "20040421"<br>and filter near8 lc  | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>14:42 |
| S15 | 764  | (@ad   @pt1d   @frpd<br>   @read   @rlad  <br>   @ptad) < "20040421"<br>and filter near5 lc<br>near5 (adjust\$8 tun\$7<br>var\$8)                      | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>14:43 |
| S16 | 514  | S15 and filter.ti,ab.  | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>14:43 |
| S17 | 209  | S15 and transmitter  | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>14:46 |
| S18 | 2866 | (@ad   @pt1d   @frpd<br>   @read   @rlad  <br>   @ptad) < "20040421"<br>and filter near5 lc with<br>capacit\$4   | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>15:03 |
| S19 | 16   | (@ad   @pt1d   @frpd<br>   @read   @rlad  <br>   @ptad) < "20040421"<br>and filter near5 lc with<br>capacit\$4 with code                               | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>15:03 |
| S20 | 366  | (@ad   @pt1d   @frpd<br>   @read   @rlad  <br>   @ptad) < "20040421"<br>and filter near5 lc with<br>capacit\$4 with (tun\$6<br>or adjust\$7 or var\$8) | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>15:05 |

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| S21 | 105  | (@ad   @pt1d   @frpd<br>  @read   @rlad  <br>@ptad) < "20040421"<br>and filter near5 lc with<br>capacit\$4 with (tun\$6<br>or adjust\$7 or var\$8)<br>with frequency | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>15:06 |
| S22 | 2    | "6653913".pn.  | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>15:17 |
| S23 | 5    | S14 and klee   | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>15:19 |
| S24 | 1368 | (@ad   @pt1d   @frpd<br>  @read   @rlad  <br>@ptad) < "20040421"<br>and (filter near8 lc).ti.  | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>15:24 |
| S25 | 767  | S24 and capacit\$6   | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>15:24 |
| S26 | 116  | S24 and capacit\$6<br>near9 (tun\$7 adjust\$8<br>var\$8)   | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>15:26 |
| S27 | 42   | S26 and center   | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>15:27 |
| S28 | 41   | S26 and center\$6  | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>15:27 |
| S29 | 2140 | (@ad   @pt1d   @frpd<br>  @read   @rlad  <br>@ptad) < "20040421"<br>and filter\$4 near6 (lc<br>or capacit\$6 near5<br>induct\$6) and center<br>\$5 near5 frequency   | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>15:32 |

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| S30 | 2046 | \$29 and capacit\$7   | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>15:32 |
| S31 | 1172 | \$29 and capacit\$7<br>near5 (tun\$8 adjust\$8<br>var\$8 chang\$4)  | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>15:33 |
| S32 | 220  | (@ad   @pt1d   @frpd<br>  @read   @rlad  <br>@ptad) < "20040421"<br>and filter\$4 near6 (lc<br>or capacit\$6 near5<br>induct\$6) and center<br>\$5 near5 frequency<br>with capacit\$7 near5<br>(tun\$8 adjust\$8 var\$8<br>chang\$4)  | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>15:41 |
| S33 | 41   | (@ad   @pt1d   @frpd<br>  @read   @rlad  <br>@ptad) < "20040421"<br>and filter\$4 near6 (lc<br>or capacit\$6 near5<br>induct\$6) same center<br>\$5 near5 frequency<br>with capacit\$7 near5<br>(tun\$8 adjust\$8 var\$8<br>chang\$4) | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>15:42 |
| S34 | 2    | "6766150".pn.   | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/21<br>15:43 |
| S35 | 1    | 10/482018   | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/26<br>10:42 |
| S36 | 12   | "5606739"   | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/26<br>11:02 |
| S37 | 0    | "5606739.pn."   | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/26<br>11:02 |

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| S38 | 2    | "5606739".pn.   | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/26<br>11:02 |
| S39 | 1009 | ((@ad   @pt1d   @frpd<br>   @read   @rlad  <br>@ptad) < "20040421"<br>and "455".clas. and<br>filter with capacit\$5<br>with switch\$4   | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/07/13<br>17:11 |
| S40 | 96   | S39 and filter.ti.  | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/07/13<br>17:15 |
| S41 | 584  | ((@ad   @pt1d   @frpd<br>   @read   @rlad  <br>@ptad) < "20040421"<br>and "455".clas. and<br>filter near5 capacit\$5<br>near5 switch\$4 | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/07/13<br>17:17 |
| S42 | 60   | S41 and filter.ti.  | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/07/13<br>17:17 |
| S43 | 12   | ("3969678"  <br>"4528698"  <br>"5179727"  <br>"5245646"  <br>"6014554"  <br>"6114902"  <br>"6169446").PN. OR<br>(("6686809").URPN.      | US_PGPUB;<br>USPAT; USOOR                                     | OR | ON | 2009/07/13<br>17:43 |
| S44 | 2    | "6781474".pn.   | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/07/13<br>18:05 |
| S45 | 2    | "7184729".pn.   | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/07/13<br>18:25 |
| S46 | 2    | "6766150".pn.   | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/07/13<br>18:34 |

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| S47 | 2 | 5081713".pn. | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERMENT;<br>IBM_TDB | OR | ON | 2009/07/13<br>18:53 |
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**EAST Search History (Interference)**

| Ref # | Hits | Search Query   | DBs            | Default Operator | Plurals | Time Stamp       |
|-------|------|--|----------------|------------------|---------|------------------|
| S48   | 1610 | ((DC reference near2 (voltage amplitude)) and (filter) and (detect\$4 output amplitude strength RSSI) and (digital code) and (agc gain amplif\$6)).clm.                                    | USPAT;<br>UPAD | OR               | ON      | 2010/02/24 11:35 |
| S49   | 493  | ((DC reference near2 (voltage amplitude)) and (filter) near6 (digital code) and (detect\$4 output amplitude strength RSSI) and (digital code) and (agc gain amplif\$6)).clm.               | USPAT;<br>UPAD | OR               | ON      | 2010/02/24 11:35 |
| S50   | 212  | ((DC reference near2 (voltage amplitude)) and (filter) near6 (digital code) and (detect\$4 output amplitude strength RSSI) and (digital code) and (agc gain amplif\$6) and compar\$6).clm. | USPAT;<br>UPAD | OR               | ON      | 2010/02/24 11:36 |
| S51   | 88   | S50 and filter.ab,ti.  | USPAT;<br>UPAD | OR               | ON      | 2010/02/24 11:37 |

2/24/2010 2:57:51 PM

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